

**DEPARTMENT:** **NORTH TONAWANDA WASTEWATER TREATMENT PLANT**  
**CLASSIFICATION:** **COMPETITIVE**  
**APPROVED:** **JANUARY 28, 2016**

**LABORATORY TECHNICIAN**  
**(North Tonawanda)**

**DISTINGUISHING FEATURES OF THE CLASS:** The work involves responsibility for the physical, chemical and bacteriological examination of raw and treated wastewater and sludge. The work is performed in accordance with prescribed procedures requiring a high degree of accuracy. The work is performed under the direct supervision of the sanitary chemist. Does related work as required.

**TYPICAL WORK ACTIVITIES:**

1. Performs analysis of raw materials such as carbon and ferrichloride for conformance to specifications;
2. Collects samples for laboratory analysis;
3. Performs physical, chemical and bacteriological examination of raw and treated wastewater sludge;
4. Records and tabulates the results of tests and data for use by supervisors;
5. Maintains an inventory of laboratory supplies, media, chemicals and equipment;
6. Calibrates, operates and maintains laboratory equipment and automatic sampling equipment;
7. Confers with supervisors regarding on-going operations and problems encountered;
8. Maintains laboratory equipment and chemical storage facilities in a safe, clean and orderly fashion;
9. Performs analysis of outside water (haulers) for treatment system compatibility;
10. Participates in training of plant personnel;
11. May assist in preparing budget requests;
12. Attends laboratory related courses and seminars;
13. Performs Industrial Pretreatment Program related sampling and analysis as required.

**FULL PERFORMANCE KNOWLEDGES, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Good knowledge of modern laboratory techniques, equipment, terminology and safety precautions used in the analysis of wastewater and sludge; good knowledge of the principles of environmental health as they relate to wastewater treatment; skill in the operation and care of laboratory equipment and apparatus and use and storage of chemicals; ability to understand and carry out technical oral and written instructions; ability to maintain technical records and reports; thoroughness; accuracy; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:**

Graduation from a regionally accredited college or university or one accredited by the New York State Board of Regents to grant degrees with an Associate's degree in laboratory technology, environmental science, chemistry, physics, or biology; **OR**

Graduation from high school or possession an equivalency diploma **and** four (4) years of experience in sanitary chemistry or in performing technical analysis in an environmental laboratory including tests involving wastewater and/or drinking water analysis.